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LETTER TO THE EDITOR

Complete ^{1}H, ^{13}C and ^{15}N resonance assignments of Blo t 5, a major mite allergen from *Blomia tropicalis*

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House dust mites are main source of indoor allergens triggering the development of allergic diseases such as atopic dermatitis, perennial rhinitis and asthma. *Blomia tropicalis* (Family: Echimyopodidae) is a predominant and clinically important mite species in tropical and subtropical countries. *B. tropicalis* allergens are shown to be distinct and have relatively low to moderate IgE cross-reactivity with *Dermatophagoides pteronyssinus* mite allergens. Group 5 allergen, Blo t 5 is the major allergen from this mite and shows up to 90% IgE reactivity with asthmatic sera (Kuo et al. 2003). ^{13}C and/or ^{15}N isotopically enriched Blo t 5 samples were prepared as described previously (Arruda et al. 1997). Practically complete backbone (99.4%) and side-chain (95%) assignments were achieved by standard triple resonance experiments using Bruker Avance spectrometers equipped with cryoprobe. The chemical shifts are deposited in the BioMagResBank with accession number 7276. Chemical shifts index analysis of the data predicts Blo t 5 as an all-helical protein comprising of three long α-helices.

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